

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously Presented) A method for identifying multiple home networks each having a plurality of home appliances connected to respective adapters and a network controller, and at least two home networks share one communication line, the method comprising steps of:
setting a house code on each of the adapters to the home appliances for identifying home networks by:

putting a house code setting program into operation in the network controller,
providing a serial number of the adapter to the network controller,
accessing a house code managing site on the Internet by the network controller,
receiving, at the network controller, a house code assigned from the house code managing site,

transferring the house code to a relevant adapter, and

the adapter storing the house code to a relevant memory region;

receiving a packet including the house code on the communication line at the adapters,
and comparing a preset house code to the house code included in the packet; and

one of the adapters understanding that the packet is directed to the one of the adapters if the two house codes are in conformity as a result of the comparison, and transferring the packet to one of the home appliances connected thereto.

2. (Canceled)

3. (Previously Presented) A method as claimed in claim 1, wherein the step of providing a serial number of the adapter and making access to a house code managing site on the Internet in the program includes the step of making an automatic access to the house code managing site once the serial number for the adapter is provided.

4. (Original) A method as claimed in claim 1, further comprising the step of the adapters disregarding the received packet if the two house codes are not in conformity as the result of comparison.